

WHAT IS CLAIMED IS:

- 1 1. A portable device comprising:
 2 an embedded system on a chip having a first interface and a second interface;
 3 an embedded graphics controller to generate a first rendered graphics data to be displayed on
 4 an integrated display, said embedded graphics controller having an a first interface
 5 coupled to the first interface of said embedded system on a chip and a second
 6 interface coupled to the integrated display;
 7 an embedded display interface to format a second rendered graphics data for output to a first
 8 remote display, said embedded display interface having at least a first input coupled
 9 to the second interface of said embedded system on a chip; and
 10 said integrated display having an interface coupled to the second interface of the embedded
 11 graphics controller.
- 1 2. The portable device as in Claim 1, wherein the embedded system on a chip includes a display
 2 controller used to generate said second rendered graphics data and provide said second
 3 rendered graphics data to said embedded display interface.
- 1 3. The portable device as in Claim 1, wherein:
 2 said system on a chip provides non-rendered graphics data to said embedded graphics
 3 controller; and
 4 said embedded graphics controller generates said first rendered graphics data from said non-
 5 rendered graphics data.

1 4. The portable device as in Claim 1, wherein said embedded graphics controller further includes a
2 third interface to interface with a second input of said embedded display interface, and
3 further wherein said embedded graphics controller is further used to provide said first
4 rendered graphics data to said embedded display interface for display on a second remote
5 display.

1 5. The portable device as in Claim 1, wherein said embedded controller generates control signals
2 used to control functionality associated with said embedded display interface.

1 6. The portable device as in Claim 1, wherein said integrated display includes a liquid crystal
2 display.

1 7. The portable device as in Claim 1, wherein said embedded graphics display interface is coupled
2 to said remote display.

1 8. The portable device as in Claim 1, wherein said embedded graphics display interface further
2 includes one of a Video Graphics Adapter output interface.

1 9. The portable device as in Claim 1, wherein said embedded graphics display interface further
2 includes a Transition Minimized Differential Signaling output interface.

1 10. The portable device as in Claim 1, wherein said embedded graphics display interface further
2 includes a Low Voltage Differential Signaling output interface.

1 11. The portable device as in Claim 1, wherein said first rendered graphics data is different from
2 said second rendered graphics data.

- 1 12. The portable device as in Claim 1, wherein said embedded display interface is disabled to
2 conserve power.

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- 1 13. A system comprising:
2 a processor to receive a first and a second set of graphics data;
3 an output data bus for providing the first set of graphics data to an external graphics
4 controller, said external graphics controller to generate a first rendered graphics data
5 associated with the first set of graphics data provided using the output data bus.
6 a graphics controller to:
7 generate a second rendered graphics data based on the second set of graphics data;
8 and
9 provide the second set of rendered graphics data to an external display interface; and
10 a memory controller having a first port coupled to said graphics controller and a second port
11 coupled to system memory, said memory controller to provide access of system
12 memory to said graphics controller.
- 1 14. The system as in Claim 13, wherein said graphics controller includes a liquid crystal display
2 controller.
- 1 15. The system as in Claim 13, wherein said external graphics controller provides said first set of
2 rendered graphics data to an integrated display.
- 1 16. The system as in Claim 15, wherein said integrated display includes a liquid crystal display.
- 1 17. The system as in Claim 13, wherein said first and second set of rendered graphics data is
2 associated with an application processed with said processor.
- 1 18. The system as in Claim 13, wherein said system includes a portable device.

1 19. The system as in Claim 13, wherein said external display interface formats said second set of
2 rendered graphics data for a remote display.

1 20. The system as in Claim 13, wherein said output data bus further used to provide control data
2 associated with display settings of said external display interface.

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- 1 21. A method comprising the steps of:
2 receiving a first set of graphics data and a second set of graphics data;
3 providing the first set of graphics data to an external graphics controller, wherein the external
4 graphics controller generates a first set of rendered graphics data associated with the
5 first set of graphics data;
6 processing the second set of graphics data to generate a second set of rendered graphics data;
7 and
8 providing the second set of rendered graphics data to a display interface.
- 1 22. The method as in Claim 21, wherein the external graphics controller provides the first set of
2 rendered graphics data to an integrated display.
- 1 23. The method as in Claim 22, wherein the integrated display further includes a liquid crystal
2 display screen.
- 1 24. The method as in Claim 23, wherein the integrated display further includes a thin film transistor
2 screen.
- 1 25. The method as in Claim 21, wherein the display interface is used to provide the second set of
2 rendered graphics data to a remote display.
- 1 26. The method as in Claim 25, wherein the remote display includes a video graphics adapter
2 display.
- 1 27. The method as in Claim 25, wherein the remote display includes a Transition Minimized
2 Differential Signaling display.

- 1 28. The method as in Claim 25, wherein the remote display includes a Low Voltage Differential
2 Signaling display.

- 1 29. The method as in Claim 21, wherein the first set of rendered graphics data is different from the
2 second set of rendered graphics data.